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BIOTECHNOLOGY
SYSTEMS
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RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/674,377

Source: BATCH

Date Processed by STIC: 12/20/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

BATCH

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/674,377

DATE: 12/20/2000
 TIME: 13:59:33

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\12202000\I674377.raw

Does Not Comply
 Corrected Diskette Needed

3 <110> APPLICANT: Nakamura, Toshikazu
 W--> 4 <120> TITLE OF INVENTION: NEOVASCULARIZATION INHIBITOR
 W--> 5 <130> FILE REFERENCE: P99-10
 W--> 6 <140> CURRENT APPLICATION NUMBER:
 C--> 7 <141> CURRENT FILING DATE: 2000-10-30
 8 <150> PRIOR APPLICATION NUMBER: JP P1998/134681
 9 <151> PRIOR FILING DATE: 1998-04-28
 W--> 10 <160> NUMBER OF SEQ ID: 2
 11 <170> SOFTWARE: Patentin Ver. 2.0
 W--> 12 <210> SEQ ID NO: 1
 13 <211> LENGTH: 447
 14 <212> TYPE: PRT
 15 <213> ORGANISM: Human
 W--> 16 <220> FEATURE:
 17 <221> NAME/KEY: MOD_RES
 18 <222> LOCATION: (1.)
 19 <223> OTHER INFORMATION: pyroglutamate
 W--> 20 <220> FEATURE:
 21 <221> NAME/KEY: CHAIN
 22 <222> LOCATION: (1)..(447)
 23 <223> OTHER INFORMATION: N-terminal region of alpha-chain in HGF
 (PyrGlu32-Val478/HGF)
 W--> 25 <300> PUBLICATION INFORMATION:
 26 <301> AUTHORS: Nakamura, Tshikazu
 27 <303> JOURNAL: Nature
 28 <304> VOLUME: 342
 29 <306> PAGES: 440-443
 W--> 30 <307> DATE: 1989
 W--> 31 <400> SEQUENCE: 1
 DK> 32 Xaa Arg Lys Arg Arg Asn Thr Ile His Glu Phe Lys Lys Ser Ala Lys
 33 1 5 10 15
 34 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys
 35 20 25 30
 36 Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly
 37 35 40 45
 38 Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln
 39 50 55 60
 40 Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu
 41 65 70 75 80
 42 Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn
 43 85 90 95
 44 Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr
 45 100 105 110
 46 Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu
 47 115 120 125
 48 His Ser Phe Leu Pro Ser Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn
 49 130 135 140

ppr 2-3

RAW SEQUENCE LISTING DATE: 12/20/2000
 PATENT APPLICATION: US/09/674,377 TIME: 13:59:33

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\12202000\I674377.raw

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50 Tyr Cys Arg Asn Pro Arg Gly Glu Glu Gly Pro Trp Cys Phe Thr
51 145           150           155           160
52 Ser Asn Pro Glu Val Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser
53           165           170           175
54 Glu Val Glu Cys Met Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met
55           180           185           190
56 Asp His Thr Glu Ser Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr
57           195           200           205
58 Pro His Arg His Lys Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe
59           210           215           220
60 Asp Asp Asn Tyr Cys Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys
61 225           230           235           240
62 Tyr Thr Leu Asp Pro His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr
63           245           250           255
64 Cys Ala Asp Asn Thr Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr
65           260           265           270
66 Glu Cys Ile Gln Gly Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr
67           275           280           285
68 Ile Trp Asn Gly Ile Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His
69           290           295           300
70 Glu His Asp Met Thr Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu
71 305           310           315           320
72 Asn Tyr Cys Arg Asn Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr
73           325           330           335
74 Thr Asp Pro Asn Ile Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys
75           340           345           350
76 Asp Met Ser His Gly Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr
77           355           360           365
78 Met Gly Asn Leu Ser Gln Thr Arg Ser Gly Leu Thr Cys Ser Met Trp
79           370           375           380
80 Asp Lys Asn Met Glu Asp Leu His Arg His Ile Phe Trp Glu Pro Asp
81 385           390           395           400
82 Ala Ser Lys Leu Asn Glu Asn Tyr Cys Arg Asn Pro Asp Asp Ala
83           405           410           415
84 His Gly Pro Trp Cys Tyr Thr Gly Asn Pro Leu Ile Pro Trp Asp Tyr
85           420           425           430
86 Cys Pro Ile Ser Arg Cys Glu Gly Asp Thr Thr Pro Thr Ile Val
87           435           440           445
89 <210> SEQ ID NO: 2
90 <211> LENGTH: 442
91 <212> TYPE: PRT
92 <213> ORGANISM: Human
93 <220> FEATURE:
94 <221> NAME/KEY: CHAIN
95 <222> LOCATION: (1)..(442)
96 <223> OTHER INFORMATION: N-terminal region of alpha-chain in HGF
97 (pyrGlu32-Val1478/HGF)
98 <220> FEATURE:
99 <221> NAME/KEY: MOD_RES

```

what about Xaa at location 1?
 (next page)

RAW SEQUENCE LISTING DATE: 12/20/2000
 PATENT APPLICATION: US/09/674,377 TIME: 13:59:33

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\12202000\I674377.raw

100 <222> LOCATION: (130)..(131)
 101 <223> OTHER INFORMATION: deletion of 5 amino acids
 W--> 102 <400> SEQUENCE: 2
 W--> 103 Xaa Arg Lys Arg Arg Asn Thr Ile His Glu Phe Lys Lys Ser Ala Lys
 104 1 5 10 15
 105 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys
 106 20 25 30
 107 Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly
 108 35 40 45
 109 Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln
 110 50 55 60
 111 Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu
 112 65 70 75 80
 113 Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn
 114 85 90 95
 115 Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr
 116 100 105 110
 117 Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu
 118 115 120 125
 119 His Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn Tyr Cys Arg Asn Pro
 120 130 135 140
 121 Arg Gly Glu Glu Gly Pro Trp Cys Phe Thr Ser Asn Pro Glu Val
 122 145 150 155 160
 123 Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser Glu Val Glu Cys Met
 124 165 170 175
 125 Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met Asp His Thr Glu Ser
 126 180 185 190
 127 Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr Pro His Arg His Lys
 128 195 200 205
 129 Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe Asp Asp Asn Tyr Cys
 130 210 215 220
 131 Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys Tyr Thr Leu Asp Pro
 132 225 230 235 240
 133 His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr Cys Ala Asp Asn Thr
 134 245 250 255
 135 Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr Glu Cys Ile Gln Gly
 136 260 265 270
 137 Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr Ile Trp Asn Gly Ile
 138 275 280 285
 139 Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His Glu His Asp Met Thr
 140 290 295 300
 141 Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu Asn Tyr Cys Arg Asn
 142 305 310 315 320
 143 Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr Thr Asp Pro Asn Ile
 144 325 330 335
 145 Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys Asp Met Ser His Gly
 146 340 345 350
 147 Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr Met Gly Asn Leu Ser
 148 355 360 365

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/674,377

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Input Set : A:\PTO.txt
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149 Gln Thr Arg Ser Gly Leu Thr Cys Ser Met Trp Asp Lys Asn Met Glu
150 370 375 380
151 Asp Leu His Arg His Ile Phe Trp Glu Pro Asp Ala Ser Lys Leu Asn
152 385 390 395 400
153 Glu Asn Tyr Cys Arg Asn Pro Asp Asp Ala His Gly Pro Trp Cys
154 405 410 415
155 Tyr Thr Gly Asn Pro Leu Ile Pro Trp Asp Tyr Cys Pro Ile Ser Arg
156 420 425 430
157 Cys Glu Gly Asp Thr Thr Pro Thr Ile Val
158 435 440

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/674,377

DATE: 12/20/2000
TIME: 13:59:34

Input Set : A:\PTO.txt
Output Set: N:\CRF3\12202000\I674377.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:283 W: Missing Blank Line separator, <140> field identifier
L:7 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:10 M:283 W: Missing Blank Line separator, <160> field identifier
L:12 M:283 W: Missing Blank Line separator, <210> field identifier
L:16 M:283 W: Missing Blank Line separator, <220> field identifier
L:20 M:283 W: Missing Blank Line separator, <220> field identifier
L:25 M:283 W: Missing Blank Line separator, <300> field identifier
L:30 M:285 W: Invalid Journal Date: Wrong YYYY-MM-DD,MMN-YYYY or SEASON-YYYY, Wrong Journal Date:YYYY-MM-
DD,MMM-YYYY or Season-YYYY
L:31 M:283 W: Missing Blank Line separator, <400> field identifier
L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:93 M:283 W: Missing Blank Line separator, <220> field identifier
L:98 M:283 W: Missing Blank Line separator, <220> field identifier
L:102 M:283 W: Missing Blank Line separator, <400> field identifier
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2